

ABOUT THIS MANUAL

VISION CREATIVE, INC.

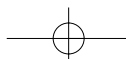
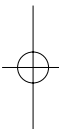
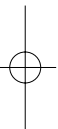
서울 종로구 통의동
6번지 이룸빌딩 4층

답	당	김선녀 님		
브	랜	드	DAEWOO	언 어 영어
F. MODEL	KOC-9Q4T7A			
B. MODEL	KOC-9Q4DS			
B U Y E R	DEAN			
COUNTRY				
인	쇄	중 국		
MEMO 총 33p				
12.04.19-표지_신규 1p				
12.04.24-33p (보증서 추가)수정_신규 1p				
12.04.27-7p, 9p, 10p, 11p, 12p, 13p, 14p, 15p, 16p, 17p, 18p, 19p, 33p 수정_신규 13p				
12.06.26-7p, 9p, 10p, 11p, 12p, 13p, 14p, 15p, 16p, 17p, 18p, 19p 수정_신규 12p				

연락처

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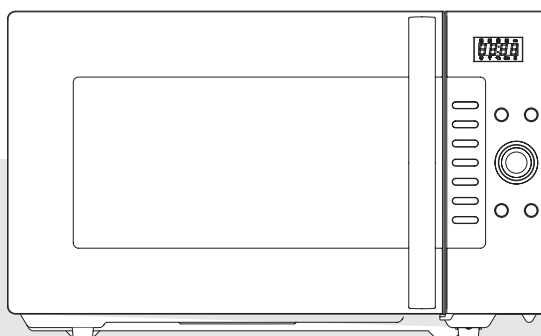




MICROWAVE CONVECTION/GRILL OVEN

KOC-9Q4DS

OWNER'S
MANUAL



Before operating this oven, please read
these manual completely.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) **Do not attempt to operate this oven with the door open** since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- (b) **Do not place any object** between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- (c) **Do not operate the oven if it is damaged.** It is particularly important that the oven door close properly and that there is no damage to the: (1) door (bent), (2) hinges and latches (broken or loosened), (3) door seals and sealing surfaces.
- (d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

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IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING - To reduce the risk of burns, electric shock, fire, injury to persons or exposure to excessive microwave energy:

1. Read all instructions before using the appliance.
2. Read and follow the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY" found on page 1.
3. This appliance must be grounded. Connect only to properly grounded outlet.
See "GROUNDING INSTRUCTIONS" found on page 3.
4. Install or locate this appliance only in accordance with the provided installation instructions.
5. Some products such as whole eggs and sealed containers - for example, closed glass jars-are able to explode and should not be heated in this oven.
6. Use this appliance only for its intended use as described in this manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
7. Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be serviced only by qualified service personnel. Contact nearest authorized service facility for examination, repair or adjustment.
10. Do not cover or block any openings on the appliance.
11. Do not store this appliance outdoors. Do not use this product near water — for example, near a kitchen sink, in a wet basement, or near a swimming pool, or similar locations.
12. Do not immerse cord or plug in water.
13. Keep cord away from heated surfaces.
14. Do not let cord hang over edge of table or counter.
15. Either:
 - a) When cleaning surfaces of door and oven that comes together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth , or
 - b) When separate cleaning instructions are provided, See door surface cleaning instructions on.
16. To reduce the risk of fire in the oven cavity:
 - a) Do not overcook food. Carefully attend appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
 - b) Remove wire twist-ties from paper or plastic bags before placing bag in oven.
 - c) If materials inside the oven ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
 - d) Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the cavity when not in use.
17. Do not use this microwave oven to heat corrosive chemicals (for example, sulfides and chlorides). Vapours from such corrosive chemicals may interact with the contact and springs of the safety interlock switches thereby rendering them inoperable.
18. Keep the waveguide cover clean at all times.
Wipe the oven interior with a soft damp cloth after each use. If you leave grease or fat anywhere in the cavity it may overheat, smoke or even catch fire when next using the oven.
19. Never heat oil or fat for deep frying as you cannot control the temperature and doing so may lead to overheating and fire.
20. Liquids, such as water, coffee, or tea are able to be overheated beyond the boiling point without appearing to be boiling due to surface tension of the liquid. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. **THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID.**
To reduce the risk of injury to persons:
 - ① Do not overheat the liquid.
 - ② Stir the liquid both before and halfway through heating it
 - ③ Do not use straight-sided containers with narrow necks.
 - ④ After heating, allow the container to stand in the microwave oven for a short time before removing the container.
 - ⑤ Use extreme care when inserting a spoon or other utensil into the container.
21. Oversized foods or oversized metal utensils should not be inserted in a microwave oven as they may create a fire or risk of electric shock.
22. Do not clean with metal scouring pads. Pieces can burn off the pad and touch electrical parts involving a risk of electric shock.
23. Do not store any materials, other than manufacturer's recommended accessories, in this oven when not in use.
24. Do not cover racks or any other part of the oven with metal foil. This will cause overheating of the oven.
25. Do not operate the oven without the glass tray in place. Be sure it is properly sitting on the rotating base.

Prior to use(If your oven has a grill element)

In order to protect your oven during transportation and storage, the grill element is covered with a protective coating. To remove this coating the grill element must be heated for 5 minutes. This procedure will produce some bad odors as the protective coating on the element disappears.

SAVE THESE INSTRUCTIONS

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

WARNING:

This equipment generates and uses ISM frequency energy and if not installed and used properly, that is in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception.

It has been type-tested and found to comply with limits for an ISM Equipment pursuant to part 18 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the followings.

- Reorient the receiving antenna of radio or television.
- Relocate the Microwave oven with respect to the receiver.
- Move the microwave oven away from the receiver.
- Plug the microwave oven into a different outlet so that microwave oven and receiver are on different branch circuits.

THE MANUFACTURER is not responsible for any radio or TV interference caused by UNAUTHORIZED MODIFICATION to this microwave oven. It is the responsibility of the user to correct such interference.

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, the grounding plug reduces the risk of electric shock by providing an escape wire for electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

WARNING:

Improper use of the grounding can result in a risk of electric shock.

Consult a qualified electrician or serviceman if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded, and either :

- (1) If it is necessary to use an extension cord, use only a 3-wire extension cord that has a 3-blade grounding plug, and a 3-slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord shall be equal to or greater than the electrical rating of the appliance.
or
- (2) Do not use an extension cord, if the power supply cord is too short, have a qualified electrician or serviceman install an outlet near the appliance.

WARNING:

Do not cut or remove the third (ground) prong from the power cord under any circumstances.

INSTALLATION

1. Examine the oven after unpacking.

Check for damage such as a misaligned door, broken door or dent in the cavity.
If any damage is visible, DO NOT INSTALL, and notify your dealer immediately.

2. Level, flat location.

Install the microwave oven on a level, flat surface. Install the microwave oven more than 3ft.(914 mm)above the floor.

3. Ventilation.

Do not block air vents. If they are blocked during operation, the oven may overheat and eventually cause a failure.
For proper ventilation, allow 4 inches of space between oven top, sides, rear and adjacent surfaces.

4. Away from radio and TV sets.

Poor television reception and radio interference may result if the oven is located close to a TV, radio, antenna, feeder, etc.
Place the oven as far from them as possible.

5. Away from heating appliances and water taps.

Keep the oven away from heat, steam or splashing liquids. These things can adversely affect oven wiring and contacts.

6. Power supply.

- Check your local power source.

This microwave oven requires a current of approximately 14 amperes, 120Volts, 60Hz grounded outlet.

1. A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.

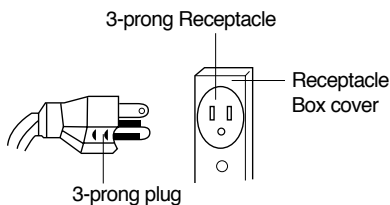
2. Longer cord sets or extension cords are available and may be used if care is exercised in their use.

3. If a long cord or extension cord is used:

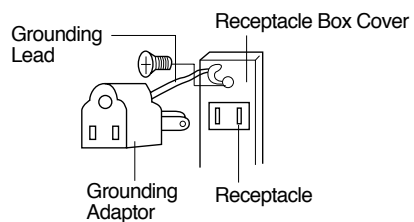
- The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
- The extension cord must be a grounding type 3-wire cord.
- The longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over unintentionally.

7. The minimum height of free space necessary above the top surface of the oven is about 4 inches.

When use 3-pronged plug



When use grounding adaptor, make sure the receptacle box is fully grounded.

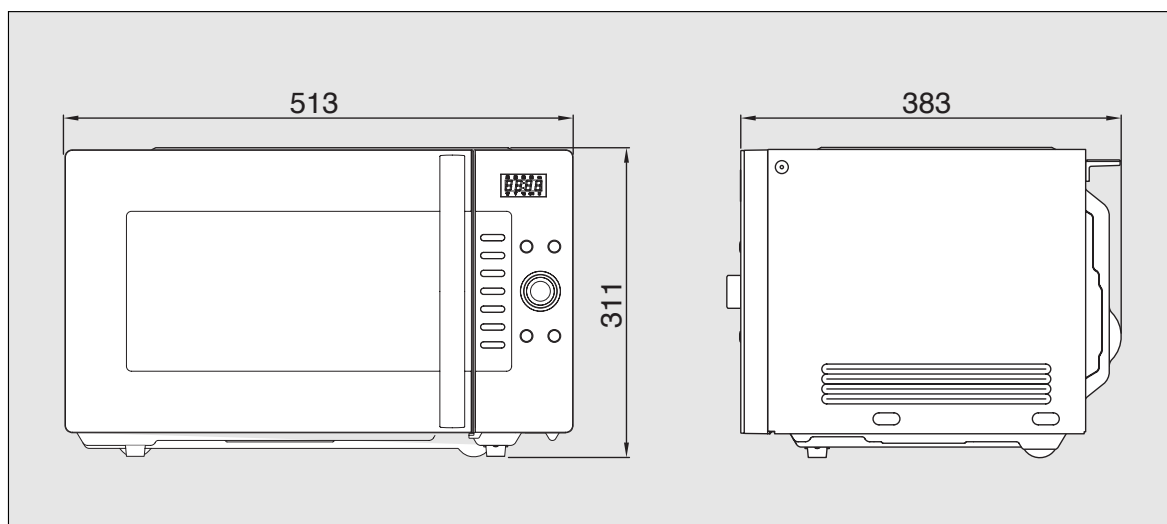


“THE CANADIAN ELECTRICAL CODE DOES NOT ALLOW THE USE OF THE GROUNDING ADAPTOR”

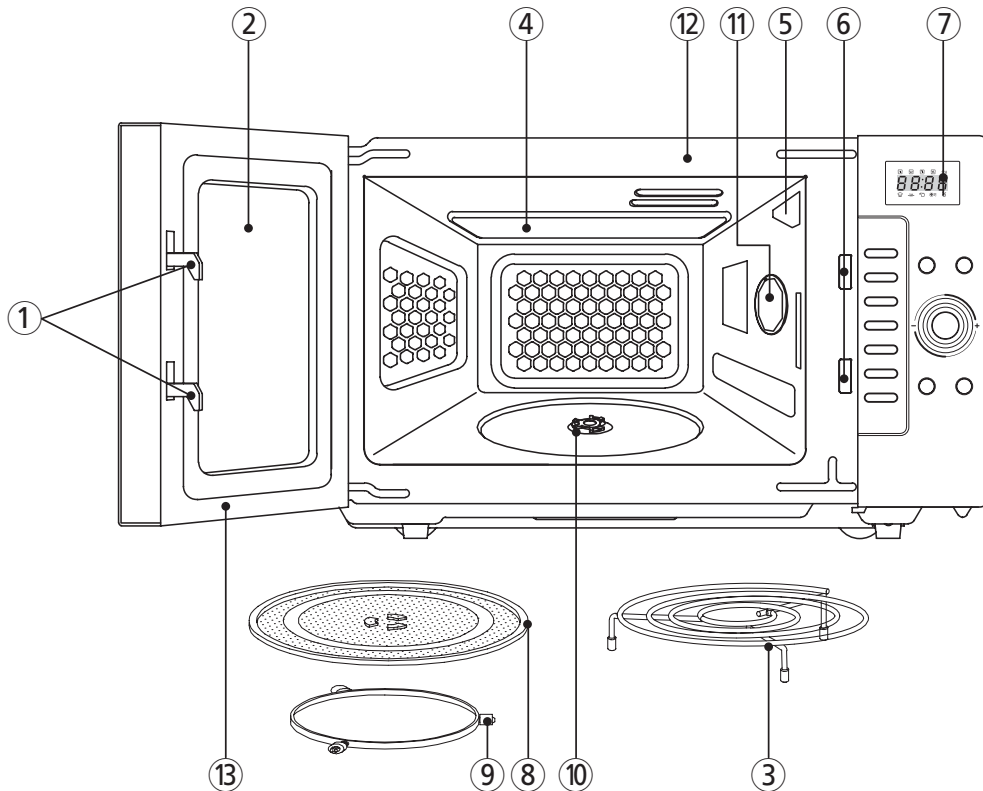
SPECIFICATIONS

POWER SUPPLY		120V AC, 60Hz SINGLE PHASE WITH GROUNDING
MICROWAVE	INPUT POWER	1400 W
	ENERGY OUTPUT	900 W
	FREQUENCY	2,450MHz
GRILL INPUT POWER		1250 W
CONVECTION INPUT POWER		1250 W
COMBINATION INPUT POWER		1500 W
OUTSIDE DIMENSIONS (W x D x H)		20.2 x 15.8 x 12.2 in.
CAVITY DIMENSIONS (W x D x H)		13.9 x 13.4 x 9.1 in.
CAVITY VOLUME		0.99 cu.ft
NET WEIGHT		APPROX. 36.6 lbs.
TIMER		60 min.
POWER SELECTIONS		10 Levels

* Specifications are subject to change without notice.

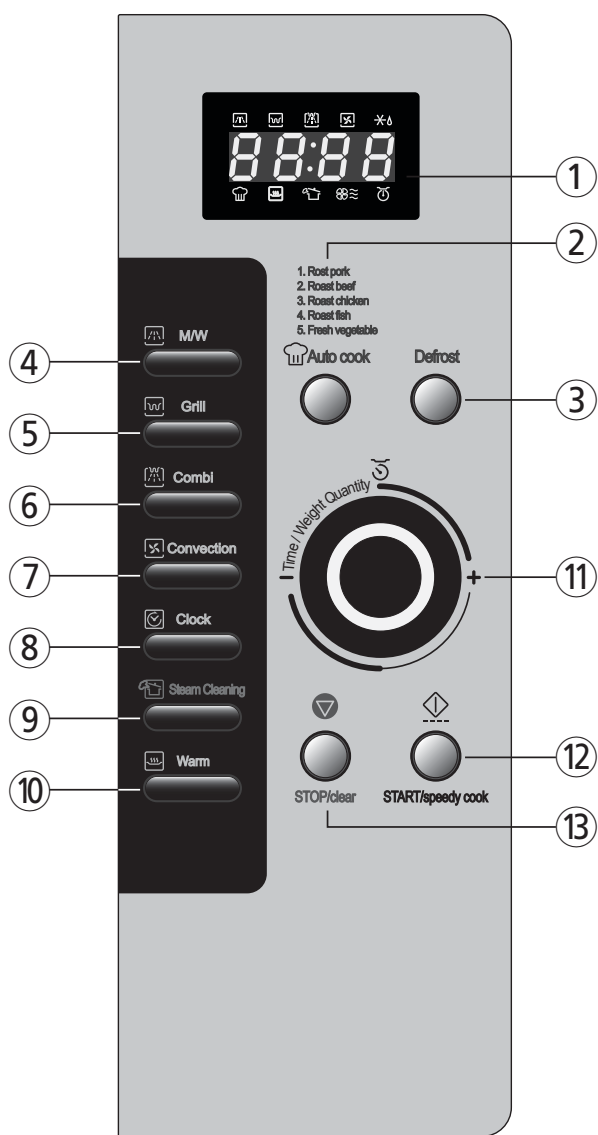


feature diagram



- ① **Door hook** - When the door is closed, it will automatically lock shut. If door is opened while oven is operating, the magnetron will immediately stop operating.
- ② **Door viewing screen** - Allows viewing of food. The screen is designed so that light can pass through, but not the microwave.
- ③ **Metal rack**
- ④ **Top heater** - Turns on when convection, grill and combi cooking is selected.
- ⑤ **Oven lamp** - Automatically turns on during oven operating.
- ⑥ **Safety interlock system**
- ⑦ **Control panel**
- ⑧ **Turntable tray** - Rotates during cooking and ensure even distribution of Microwaves.
It can also be used as a cooking utensil.
- ⑨ **Roller guide** - This must always be used for cooking together with the turntable tray.
- ⑩ **Coupler** - This fits over the shaft in the center of the ovens cavity floor. This is to remain in the oven for all cooking.
- ⑪ **Convection fan**
- ⑫ **Oven front plate**
- ⑬ **Door seal** - Door seal maintains the microwave energy within the oven cavity and prevents microwave leakage.

FEATURES DIAGRAM (continued)



① **Display** : Cooking time, power level, program indicators and present time are displayed.
 MW (MW): When blinking, the oven is operating in MICROWAVE COOK mode.
 Grill (Grill): When blinking, the oven is operating in GRILL mode.
 Combi (Combi): When blinking, the oven is operating in COMBI mode.
 Convection (Convection): When blinking, the oven is operating in CONVECTION mode.
 Defrost (Defrost): When blinking, the oven is operating in DEFROST mode.
 Auto-cook (Auto cook): When blinking, the oven is operating in AUTO COOK mode.
 Warm (Warm): When blinking, the oven is operating in WARM mode.
 Steam Cleaning (Steam Cleaning): When blinking, the oven is operating in STEAM CLEANING mode.
 pound (lb): When blinking, the oven is operating in weight input mode.

② **Auto cook** : Used to cook or reheat.

③ **Defrost** : Used to defrost foods.

④ **MW** : Used to set power level of the microwave.

⑤ **Grill** : Used to select grill mode.

⑥ **Combi** : Used to select combi mode.

⑦ **Convection** : Used to select convection mode and selected temp.

⑧ **Clock** : Used to set clock.

⑨ **STEAM CLEANING** : Used to clean the inside of the oven

⑩ **Warm** : Used to keep the food warm.

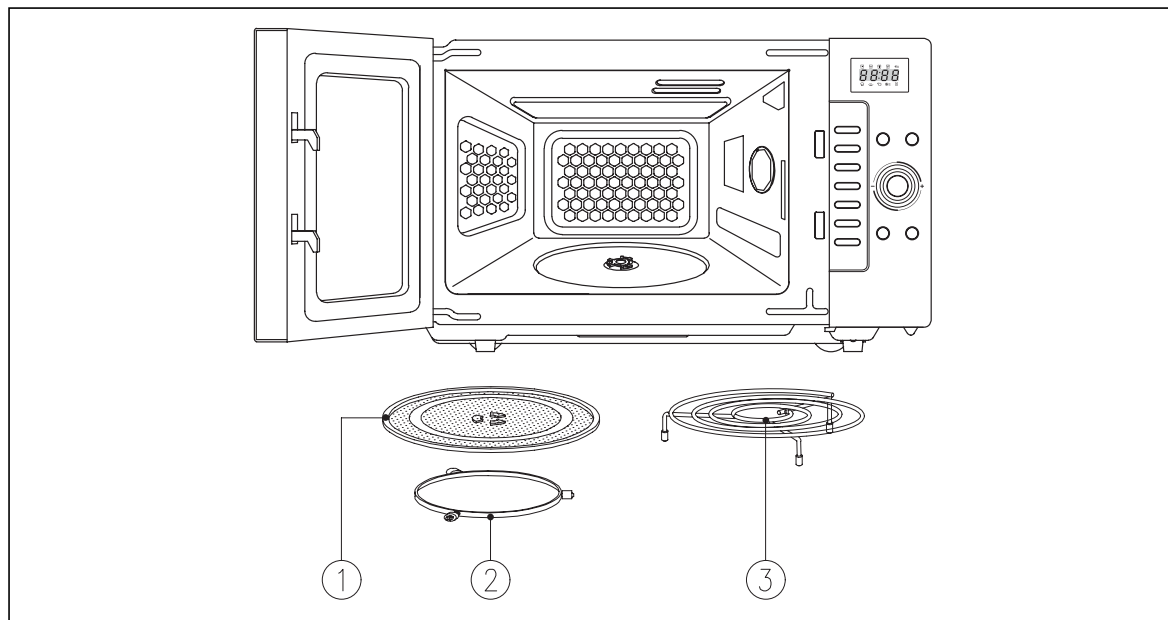
⑪ **Dial knob** : Used to set time, weight and quantity.

⑫ **START/SPEEDY COOK** : Used to start a program or a speedy start(each press adds 30 seconds of microwave cooking time).

⑬ **STOP/CLEAR** : Used to stop the oven operation or to delete the cooking data.

ACCESSORIES

This oven comes equipped with several accessories. They can be used in various ways to facilitate cooking.

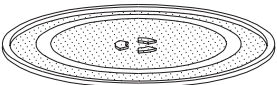

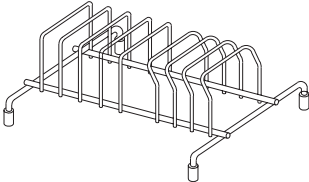


- ① **Glass Turntable** - Center the tray on the roller guide when using the microwave features. Place food or microwave-safe cookware directly on the glass turntable.

NOTE : The Glass Turntable can be found attached to the left polystyrene packing material in the carton.

- ② **Roller Guide** - The roller guide must be in place when using the oven.
IMPORTANT : The roller guide must be placed at the center of the oven cavity.
- ③ **Metal Rack** - Center the rack on the glass tray when using the grill cooking, convection cooking, and auto cooking menus.

■ HOW TO USE THE ACCESSORIES FOR COOKING

■ Glass Turntable	■ Metal rack	■ Dish-Warm rack (Premium option model only)
 <ul style="list-style-type: none"> • All Cooking modes. 	 <ul style="list-style-type: none"> • Grill cooking • Convection cooking • Combination cooking • Auto cooking menu 1~4. 	 <ul style="list-style-type: none"> • Dish warming

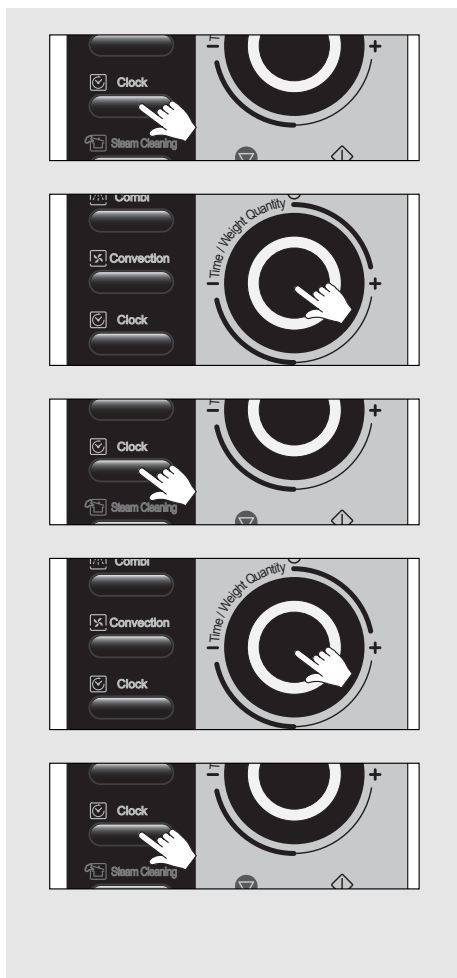
BEFORE OPERATION

SETTING THE CLOCK

When your oven is plugged in, the display will show “:0” and a tone will sound. If the AC power goes off and comes back on, the display will show “:0”.

Your oven has a multiple(12hr/24hr) clock system. To set the clock, follow the procedure below.

Example : To set 5:30 AM in a 24hr clock system.



1. Press **Clock** button once.
The display will show “ 12H ”. This is a 12 hour clock system.
2. Press **Clock** button once more, the display shows “24H”.
This is a 24hour clock system. If you want 12hour clock system, omit this step.
3. Turn the **dial knob** to set the hour number “5”.
The hour digit starts blinking, the colon will light.
4. Press **Clock** button. “5:00” shows in display.
The minute digit starts blinking, the colon and hour number will light.
5. Turn the **dial knob** until “5:30” shows in the display window.
6. Press **Clock** button. The colon starts blinking.
If you selected the 12hour clock system, this digital clock allows you to set the time from **1:00** to **12:59**.
If you selected the 24hour clock system, this digital clock allows you to set the time from **0:00** to **23:59**.

Note : You can check the current time while cooking is in progress by pressing the **Clock** button.

CHILD LOCK AND POWER SAVE MODE

Child lock : The Child Lock function helps to prevent accidents from children operating the oven without being monitored by the parents.
Power save mode : This function is used for saving energy.



To set child lock

1. Press the **STOP/CLEAR** button.
 “: 0” or clock appears in the display.
2. Press and hold the **STOP/CLEAR** button for 3 seconds.
 A beep sounds and the display shows “LOC” for 3 seconds.
 Now the oven cannot be operated.
3. To cancel child lock simply repeat procedure 2.
 The oven will beep.
 The oven is again available for normal use.

To set power save mode

1. Press the **STOP/CLEAR** button.
 “: 0” or clock appears in the display.
2. Press and then hold the **Clock** button for 3 seconds.
 The display will turn off and a beep sounds.
 To operate the oven in power save mode, press any key or turn the knob.
 Then “:0” or clock will be shown and the operation of all function keys will be the same as in the normal mode.
 But if there is no operation within 10 seconds in clear mode or while manipulating the key, all the contents of display will disappear.
3. To cancel the power save mode, simply repeat the setting procedure.
 The power save mode will be canceled and a beep sounds.
 The oven is again available for normal use.

OPERATION

Tips : Please read this OPERATION section for the proper safety information and the operating instructions before using the oven.
Prior to setting the controls, place one cup of water in the oven, in a heat-proof glass measuring cup, for testing purposes.
The oven could be damaged if you operate the oven in microwave mode without anything in the cavity.

Note : When the cooking time has elapsed the oven beeps three times and "End" appears on the display. The glass turntable stops and the oven-light turns off. The oven will continue to beep every one-minute until either the STOP/CLEAR button is pressed or the door is opened. Opening the door while cook is in progress will cause the oven to stop and any displayed countdown will pause. If the START/SPEEDY COOK button is pressed, the countdown will resume. If the STOP/CLEAR button is pressed, the cook will cancel. The oven can display the set cooking time in 10 second steps (up to 5 minutes cooking time), in 30 second steps (up to 10 minutes cooking time), and in 1 minute steps (up to 60 minutes cooking time).

When the door is opened after cooking, the cooling fan may start to operate for 5 minutes to cool down the inside of oven. (Display shows "cool" and ":0 or clock")


Also note that when the Cooling mode operates, lamp, tray, and fan runs at the same time and "cool" shows on the display.

MICROWAVE COOKING

This microwave cooking method allows you to cook food for a desired time. In addition to the maximum power level(100%), you can select different microwave power from 9 other levels, 10% to 90% for the foods that require slower cooking.

If you have used the appliance for grilling, convection or combination cooking, let the oven cool down before using again. Never switch the microwave oven on when it is empty.



1. Press the **MW** button once. **MW** indicator () lights.
"**P-HI**" (POWER HIGH) shows in display.

2. Select the appropriate power level by pressing the **MW** button again until the corresponding percentage is displayed. Refer to the power level table below for further details.

3. Turn the **dial knob** to set the cooking time.
For a cooking time of 5 minutes 30 seconds, turn the **dial knob** to set 5:30.
(up to 60 minutes can be set)
"**5:30**" shows in display.

4. Press the **START/SPEEDY COOK** button.
The oven light comes on and the turntable starts rotating.
Cooking starts and the time in the display will count down.

Note : The oven will automatically work on 100% microwave power if a cooking time is entered without the power level previously being selected.
You can check the power level while cooking is in progress by pressing the **MW** button.

Power level table

Power level	percentage	Output	Power level	percentage	Output
P-HI	100%	900W	P-50	50%	450W
P-90	90%	810W	P-40	40%	360W
P-80	80%	720W	P-30	30%	270W
P-70	70%	630W	P-20	20%	180W
P-60	60%	540W	P-10	10%	90W
			P-00	0%	0W

GRILL COOKING

The Grill enables you to heat and make food to turn brown quickly without using microwave.



1. Press the **Grill** button once. The **GRILL** indicator () lights.

2. Turn the **dial knob** to set the grilling time.

For a grilling time of 11 minutes, turn the **dial knob** to set 11:00.
(up to 60 minutes can be set)

“11:00” shows in display.

3. Press the **START/SPEEDY COOK** button.

The oven light comes on and the turntable starts rotating.
Cooking starts and the time in the display will count down.

Note :

The heating element is located on the top surface of the oven.

Note : When using the grill heater for the first time, smoke and odour will be given off. To avoid this happening when food is being cooked, turn the heater on with a microwave safe bowl containing 200cc of water in the oven for 10 minutes and the odour will disappear from then on. Grill food by placing it directly on the rack, in a flat dish or on a heat resistant plate on the rack.

WARNING :

The temperature inside the oven and window is very high.
Do not touch the oven window and metallic interior of the oven when taking food in and out.
Use thick oven gloves while handling food or accessories.

Suggested use	Cookware
This method is ideal for toasting bread or muffins. Remember the oven will be hot. Place all food on the metal rack.	Use oven-proof cookware. As there is no microwave energy being used you can place metal tins directly onto the metal rack with no danger of arcing.

CONVECTION COOKING(With pre-heat)

For convection cooking, it is recommended to preheat the oven to the appropriate temperature (except for the 105F that displays only) before placing food in the oven.

The maximum preheating time is 30 minutes.

If cooking is not started immediately after preheating, the convection indicator will continue to flash and the preheated oven temperature will be displayed. It will be maintained for 15 minutes; then switch off automatically.



1. Press the **Convection** button once. The **CONVECTION** indicator (☒) lights. "355F" shows in display.

2. Select the convection cooking temperature by pressing the **Convection** button again until the corresponding temperature is displayed.

Temperature sequence

355F → 375F → 390F → 410F → 430F →
105F → 210F → 230F → 250F → 265F →
285F → 300F → 320F → 340F →

3. Press **START/SPEEDY COOK** button. The **CONVECTION** indicator (☒) blinks.

The temperature of preheating and "PrE-" blink alternatively in the display.

The oven will now preheat. When the oven reaches the preheated temperature the oven will beep and the preheated oven temperature will appear in the display.

Then open the door and place your food in the oven.

The oven temperature now shows in the display.

4. Turn the **dial knob** to set the cooking time.

For a cooking time of 11 minutes, turn the **dial knob** to set 11:00.

(up to 60 minutes can be set)

"11:00" shows in display.

5. Press the **START/SPEEDY COOK** button.


The oven light comes on and the turntable starts rotating.

Cooking starts and the time in the display will count down.

CONVECTION COOKING(Traditional cooking)

The convection mode enables you to cook food in the same way as in a traditional oven. Microwaves are not used. Always use oven gloves when touching the utensils in the oven, as they will be very hot.



1. Press the **Convection** button once. The **CONVECTION** indicator () lights. "355F" shows in display.
2. Select the convection cooking temperature by pressing the **Convection** button again until the corresponding temperature is displayed.

Temperature sequence
355F → 375F → 390F → 410F → 430F →
105F → 210F → 230F → 250F → 265F →
285F → 300F → 320F → 340F →
3. Turn the **dial knob** to set the cooking time.
For a cooking time of 11 minutes, turn the **dial knob** to set 11:00.
(up to 60 minutes can be set)
"11:00" shows in display.
4. Press **START/SPEEDY COOK** button.
The oven light comes on and the turntable starts rotating.
Cooking starts and the time in the display will count down.

Note: You can check the setting temperature while cooking is in progress by pressing the **Convection** button.

Fermentation

- 105F of convection cooking temperature is adequate for fermenting bread-like foods.
- High temperatures in the inside of oven may reduce the quality of fermentation. Cool it down to the room temperature before use.

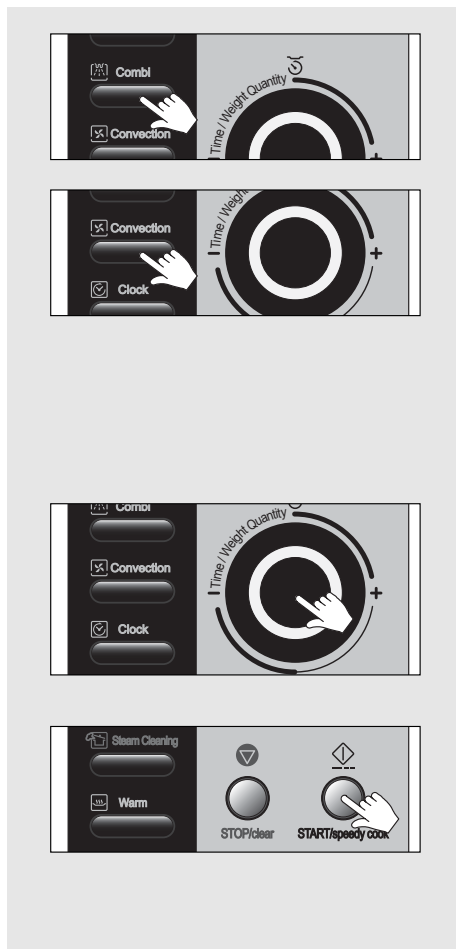
Suggested use	Cookware
This function is ideal for cooking meringues, cookies, biscuits, scones, bread, puddings, large fruit cakes and all pastries. Remember the oven will be hot. Place all food on the metal rack.	Use oven-proof cookware. As there is no microwave energy being used you can place metal tins directly onto the metal rack with no danger of arcing.

COMBINATION COOKING


This function allows you to combine convection operation with microwave to produce traditional baked or roasted results in less time.

Always use microwave-safe and oven-proof cookware. Glass or ceramic dishes are ideal as they allow the microwaves to penetrate the food evenly.

Always use oven gloves when touching the utensils in the oven, as they will be very hot.



1. Press the **Combi** button once.

The **COMBI** indicator () light and “C-0” will show in the display.

2. Press **Convection** button once.

“355F” shows in display.

Select the convection cooking temperature by pressing the Convection button again until the corresponding temperature is displayed.

Temperature sequence

355F → 375F → 390F → 410F → 430F →
 105F → 210F → 230F → 250F → 265F →
 285F → 300F → 320F → 340F →

3. Turn the **dial knob** to set the cooking time.

For a cooking time of 11 minutes, turn the **dial knob** to set 11:00.
 (up to 60 minutes can be set)

“11:00” shows in display.

4. Press the **START/SPEEDY COOK** button.

The oven light comes on and the turntable starts rotating.

Cooking starts and the time in the display will count down.

Note : You can check the cooking temperature while cooking is in progress by pressing the **Convection** button.

You can check the power level while cooking is in progress by pressing the **Combi** button.

(1) WEIGHT DEFROST MODE

Weight Defrost automatically sets the defrosting times and power levels to give even defrosting results for frozen food.

During the defrosting process the oven will beep to remind you to check the food. When the oven beeps, open the door, turn the frozen food over and close the door, and press the **START/SPEEDY COOK** button again.



1. Press the **Defrost** button once. The **Defrost** indicator (※) lights and "0" is displayed. The () indicator blinks. This is a weight defrost mode.

2. Turn the **dial knob** to set the weight.
Weight can be set up from 0.5 lb to 6.5 lb.
The weight will change in 0.1 lb increments or decrements.
For a defrosting weight of 2.0 lb, turn the **dial knob** to set 2.0. "2.0" shows in display.

3. Press the **START/SPEEDY COOK** button.
The oven light comes on and the turntable starts rotating. The () indicator goes off.
Cooking starts and the time in the display will count down.

Note : When Weight-Defrosting begins, the defrosting time is automatically determined by the weight entered.

(2) TIME DEFROST MODE

During the defrosting process the oven will beep to remind you to check the food.

When the oven beeps, open the door, turn the frozen food over and close the door, and press the **START/SPEEDY COOK** button again.



1. Press the **Defrost** button twice. The **Defrost** indicator (※) lights and "0" is displayed. This is a time defrost mode.

2. Turn the **dial knob** to set the defrosting time.
For a time of 11 minutes, turn the **dial knob** to set 11:00.
(up to 60 minutes can be set)
"11:00" shows in display.

3. Press **START/SPEEDY COOK** button.
The oven light comes on and the turntable starts rotating.
Cooking starts and the time in the display will count down.

AUTO COOK

This function allows you to simply and automatically cook a range of popular foods.
Always use oven gloves when touching the utensils in the oven.



1. Press the **Auto Cook** button once.

The **Auto Cook** indicator (👤) lights.

“AC-1” will show in the display.

2. Select the menu by pressing the **Auto Cook** button until the required menu is displayed.

Refer to the auto cook menu chart below for further details.

3. Turn the **dial knob** to set the cooking weight.

For a cooking weight of 2.0 lb, turn the **dial knob** to set 2.0 lb.
(up to 4.0 lb can be set)

“2.0” and (👤) shows in display.

Refer to the auto cook menu chart below for further details.

4. Press the **START/SPEEDY COOK** button.

The oven light comes on and the turntable starts rotating.

Cooking starts and the time in the display will count down.

Note : You can check the current cook setting while the cooking is in progress by pressing the **Auto Cook** button.

Auto Cook Menu Chart

Press auto cook key	Auto Cook Menu	Minimum Weight	Maximum Weight	Weight Step
Once	roast pork	1.0 lb	4.0 lb	0.2 lb
Twice	ROAST BEEF	1.0 lb	4.0 lb	0.2 lb
3 times	roast chicKen	1.6 lb	4.0 lb	0.2 lb
4 times	baked fish	0.6 lb	2.0 lb	0.2 lb
5 times	FRESH VEGETABLE	0.2 lb	2.0 lb	0.1 lb

Auto Cook Menu	Start Temp.	Method	Cookware
ROAST PORK	Chilled temp.	1. Tie the joint into a neat shape. 2. Place the meat on the dish. 3. Brush with a little oil. 4. Place roasts fat-side down on the dish. 5. Cook on "AUTO COOK-ROAST PORK or ROAST BEEF". 6. Turn over when hearing the beep. 7. Remove from oven. Drain off any excess juices. 8. Stand for 10 minutes in foil before serving.	Glass Turntable + Metal rack
ROAST BEEF			
ROAST CHICKEN	Chilled temp.	1. Wash and dry chicken. Tie the legs loosely together with string. 2. Pierce the skin a couple of times just under the legs. 3. Brush butter mixture all over the chicken on the dish. 4. Place roasts breast-side down on the dish. 5. Cook on "AUTO COOK-ROAST CHICKEN". 6. Turn over when hearing the beep. 7. Remove from oven. Drain off any excess juices. Season with salt if required. Stand for 10 minutes in foil before serving.	Glass Turntable + Metal rack
BAKED FISH	Chilled temp.	1. All types of fresh fish(except battered or breadcrumbed fish) can be cooked whether whole, fillets or steaks. 2. Place the prepared fish in a buttered dish. 3. Season with salt and pepper, sprinkle with lemon juice and dot with butter. Do not cover dish. 4. Place on dish on the metal rack on the turntable. 5. Cook on "AUTO COOK- BAKED FISH".	Micro and heat proof shallow dish. (e.g Pyrex.) Glass Turntable + Metal rack
FRESH VEGETABLES		1. Wash and trim. 2. Place prepared vegetables into a suitable sized container. 3. Sprinkle with 4-5 tbs. of water. 4. Cover with pierced cling film or a lid. 5. Place on dish on the turntable. 6. Cook on "AUTO COOK- FRESH VEGETABLES." * For best results cut vegetables into similar sized pieces.	Microproof dish. (e.g Pyrex.) Glass Turntable

SPEEDY COOK

The Speedy Cook function allows the oven to cook immediately on microwave full power.

The Speedy Cook function has been pre-programmed to increase the cooking time in increments of 30 seconds up to the maximum time of 5 minutes.



1. Press the **START/SPEEDY COOK** button.

The oven will display as ".30", **MW** indicator (MW) lights, and the oven starts immediately. You may increase the cooking time by keep pressing the **START/SPEEDY COOK** button.

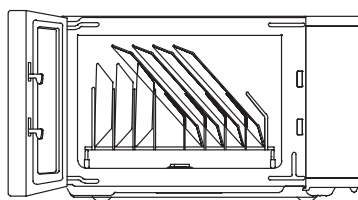
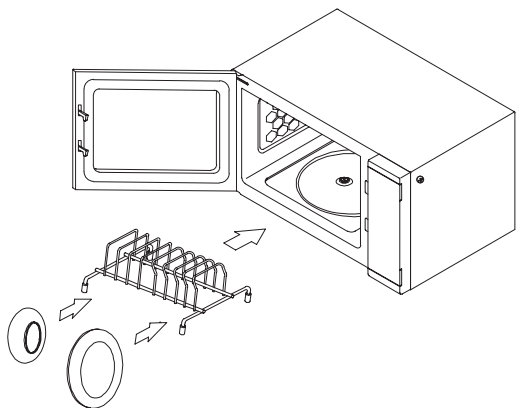
The oven light comes on and the turn table starts rotating and the time in the display will count down in seconds.

DISH WARMER (For Premium option model only)

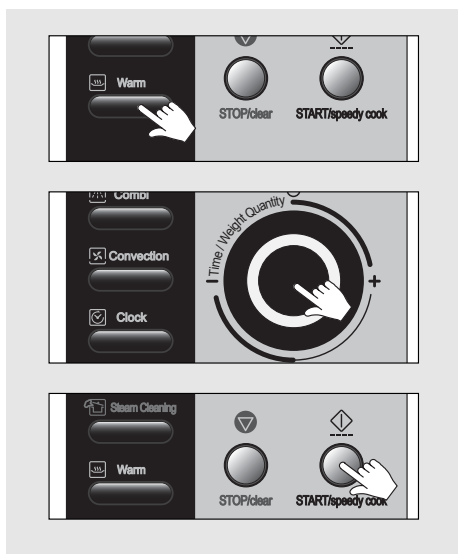
The DISH WARMER mode allows the oven to Warm dining dishes/plates before serving the food.

The premium option model comes with the specially designed Dish-Warm Rack used for the dish warmer mode only. Please take out the glass turntable and place the dish-warm rack at the center of the oven cavity.

Then place dishes/plates (Size ranges from Ø150~Ø260mm) on the rack.



Heat-resistant gloves



1. Keep pressing the **WARM** button to select the desired temperature. (from 105F ~ 175F)

2. Turn the **dial knob** to set the desired dish Warm time. (from 10 sec.~ 60 minutes)

3. Press the **START/SPEEDY COOK** button.

The oven light comes on and the turntable starts rotating. Warming starts and the time in the display counts down.

Note: Once the dish warmer mode ends, please do not grasp a dish or the rack with your bare hands as it may be hot. We recommend wearing heat-resistant gloves.

WARM

The WARM function allows the oven to Warm your food, up to the maximum time of 60 minutes.



1. Press the **WARM** button.
(The temperature is about **140F**.)
2. Turn the **dial knob** to set the cooking time.
For a cooking time of 11 minutes, turn the **dial knob** to set 11:00.
(up to 60 minutes can be set)
"11:00" shows in display.
3. Press the **START/SPEEDY COOK** button.
The oven light comes on and the turntable starts rotating.
Warming starts and the time in the display will count down.

STEAM CLEANING

This function uses steam to clean the inside of oven.

Before cleaning, put 150~200cc water in a mug cup or a small bowl and place it at the centre of the tray.



1. Press the **STEAM CLEANING** button. The STEAM indicator () lights.
The oven heats up for 10minutes.
When heating up is complete the "door" "oPEn" blinks on the display.
You may remove the mug cup and use the moisture in the oven to clean the inside of oven cavity.
2. After heating up ends, "door" "oPEn" shows on the display for 5 minutes.
Once it passes 5minutes, automatic cooling mode starts.

Note: High temperature in the inside of oven may reduce the effect of steam power.
Cool it down to the room temperature before use.

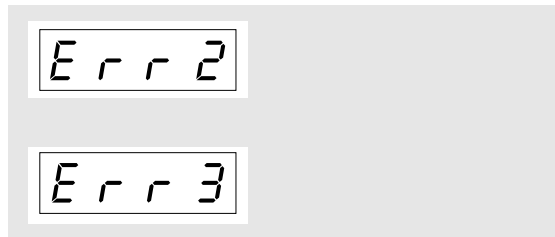
REMINDER MODE (Function to remind cooking complete)

To remind you that you have food in the oven, the oven will beep once a minute until you either open the oven door or press any button.

TO STOP THE OVEN WHILE THE OVEN IS OPERATING

1. Open the door.
 - Oven stops operating.
 - You can restart the oven by closing the door and pressing the **START/SPEEDY COOK** button.
2. Press the **STOP/CLEAR** button.
 - Oven stops operating.
 - If you wish to cancel the cooking settings, press the **STOP/CLEAR** button again.

ABNORMAL MESSAGE



- If the inside temperature of the oven is higher than expected or the temperature sensor doesn't work properly, "**Err 2**" message will be shown in the display.
- Unplug the power and call our technical service.
- When the temperature sensor is disconnected, "**Err 3**" message will be shown in the display.
- Unplug the power and call our technical service.

BEFORE YOU CALL FOR SERVICE

Refer to following checklist, you may prevent an unnecessary service call.

*** The oven doesn't work :**

1. Check that the power cord is securely plugged in.
2. Check that the door is firmly closed.
3. Check that the cooking time is set.
4. Check for a blown circuit fuse or tripped main circuit breaker in your house.

*** Sparking in the cavity;**

1. Check utensils. Metal containers or dishes with metal trim should not be used.
2. Check that metal skewers or foil does not touch the interior walls.

If there is still a problem, contact the service station.
A list of these stations is included in the oven.

CARE AND CLEANING

Although your oven is provided with safety features, it is important to observe the following:

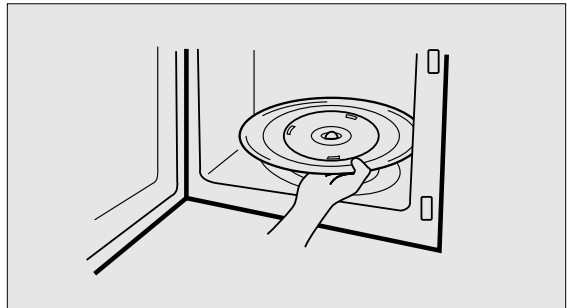
1. It is important not to defeat or tamper with safety interlocks.
2. Do not place any object between the oven front face and the door or allow residue to accumulate on sealing surfaces. Wipe the sealing area frequently with a mild detergent, rinse and dry. Never use abrasive powders or pads.
3. When opened, the door must not be subjected to strain, for example, a child hanging on an opened door or any load could cause the oven to fall forward to cause injury and also damage to the door. Do not operate the oven if it is damaged, until it has been repaired by a competent service technician. It is particularly important that the oven closes properly and that there is no damage to the:
 - i) Door(bent)
 - ii) Hinges and Hooks(broken or loosened)
 - iii) Door seals and sealing surfaces.
4. The oven should not be adjusted or repaired by anyone except a properly competent service technician.
5. The oven should be cleaned regularly and any food deposits removed;
6. Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.

CARE OF YOUR MICROWAVE OVEN

The oven should be cleaned regularly and any food deposits removed.

Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.

- 1** Turn the oven off before cleaning.
- 2** Keep the inside of the oven clean. When food spatters or spilled liquids adhere to oven walls, wipe with a damp cloth. Mild detergent may be used if the oven gets very dirty. The use of harsh detergent or abrasives is not recommended.
- 3** The outside oven surface should be cleaned with soap and water, rinsed and dried with a soft cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.
- 4** If the Control Panel becomes wet, clean with a soft, dry cloth. Do not use harsh detergents or abrasives on Control Panel.
- 5** If steam accumulates inside or around the outside of the oven door, wipe with a soft cloth. This may occur when the microwave oven is operated under high humidity conditions and in no way indicates malfunction of the unit.
- 6** It is occasionally necessary to remove the glass tray for cleaning. Wash the tray in warm sudsy water or in a dishwasher.
- 7** The roller guide and oven cavity floor should be cleaned regularly to avoid excessive noise. Simply wipe the bottom surface of the oven with mild detergent water or window cleaner and dry. The roller guide may be washed in mild sudsy water.

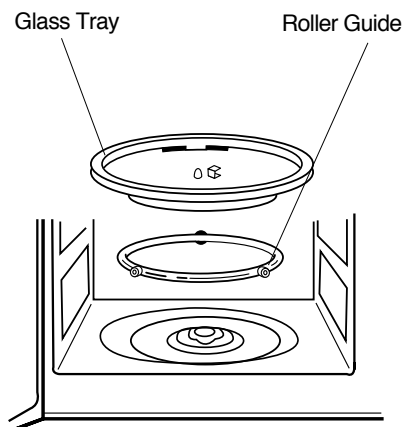


ROLLER GUIDE

- 1** The ROLLER GUIDE and oven floor should be cleaned frequently to prevent excessive noise.
- 2** The ROLLER GUIDE MUST ALWAYS be used for cooking together with the Glass Tray.

GLASS TRAY

- 1** DO NOT operate the oven without the Glass Tray in place.
- 2** DO NOT use any other Glass Tray with this oven.
- 3** If Glass Tray is hot, ALLOW TO COOL before cleaning or placing it in water.
- 4** DO NOT cook directly on the Glass Tray. (Except for popcorn)



QUESTIONS AND ANSWERS

*** Q : I accidentally ran my microwave oven without any food in it. Is it damaged?**

A : Running the oven empty for a short time will not damage the oven. However, it is not recommended.

*** Q : Can the oven be used with the glass tray or roller guide removed?**

A : No. Both the glass tray and roller guide must always be used in the oven before cooking.

*** Q : Can I open the door when the oven is operating?**

A : The door can be opened anytime during the cooking operation. Then microwave energy will be instantly switched off and the time setting will maintain until the door is closed.

*** Q : Why do I have moisture in my microwave oven after cooking?**

A : The moisture on the side of your microwave oven is normal. It is caused by steam from cooking food hitting the cool oven surface.

*** Q : Does microwave energy pass through the viewing screen in the door?**

A : No. The metal screen bounces back the energy to the oven cavity. The holes are made to allow light to pass through. They do not let microwave energy pass through.

*** Q : Why do eggs sometimes pop?**

A : When baking or poaching eggs, the yolk may pop due to steam build-up inside the yolk membrane. To prevent this, simply pierce the yolk with a toothpick before cooking. Never cook eggs without piercing their shells.

*** Q : Why is standing time recommended after the cooking operation has been completed?**

A : Standing time is very important.
With microwave cooking, the heat is in the food, not in the oven. Many foods build up enough internal heat to allow the cooking process to continue, even after the food is removed from the oven. Standing time for joints of meat, large vegetables and cakes is to allow the inside to cook completely, without overcooking the outside.

*** Q : What does “standing time” mean?**

A : “Standing time” means that food should be removed from the oven and covered for additional time to allow it to finish cooking. This frees the oven for other cooking.

*** Q : Why does my oven not always cook as fast as the microwave cooking guide says?**

A : Check your cooking guide again, to make sure you’ve followed directions exactly ; and to see what might cause variations in cooking time. Cooking guide times and heat settings are suggestions, to help prevent over-cooking... the most common problem in getting used to a microwave oven. Variations in the size, shape and weights and dimensions could require longer cooking time. Use your own judgement along with the cooking guide suggestions to check whether the food has been properly cooked just as you would do with a conventional cooker.

*** Q : Will the microwave oven be damaged if it operates while empty?**

A : Yes. Never run it empty.

*** Q : Can I operate my microwave oven without the turntable or turn the turntable over to hold a large dish?**

A : No. If you remove or turn over the turntable, you will get poor cooking results. Dishes used in your oven must fit on the turntable.

*** Q : Is it normal for the turntable to turn in either direction?**

A : Yes. The turntable rotates clockwise or counterclockwise, depending on the rotation of the motor when the cooking cycle begins.

*** Q : Can I pop popcorn in my microwave oven? How do I get the best results?**

A : Yes. Pop packaged microwave popcorn following manufacture’s guidelines. Do not use regular paper bags. Use the “listening test” by stopping the oven as soon as the popping slows to a “pop” every 1 or 2 seconds. Do not repop unpopped kernels. Do not pop popcorn in glass cookware.

COOKING INSTRUCTIONS

Utensil Guide

Only use utensils that are suitable for use in microwave ovens.

To cook food in the microwave oven, the microwaves must be able to penetrate the food, without being reflected or absorbed by the dish used. Care must therefore be taken choosing the utensil. If the utensil is marked microwave-safe, you do not need to worry. The following table lists various utensil and indicates whether and how they should be used in a microwave oven.

Utensil	Safe	Comments
Aluminium foil	▲	Can be used in small quantities to protect areas against overcooking. Arcing can occur if the foil is too close to the oven wall or if too much foil is used.
Crust plate	●	Do not preheat for more than 8minutes.
China and earthenware	●	Porcelain, pottery, glazed earthenware and bone china are usually suitable, unless deco-rated with a metal trim.
Disposable polyester cardboard dishes	●	Some frozen foods are packaged in these dishes.
Fast-food packaging • Polystyrene cups containers • Paper bags or newspaper • Recycled paper or metal trims	● × ×	Can be used to warm food. Overheating may cause the polystyrene to melt. May catch fire. May cause arcing.
Glassware • Oven-to-table ware • Fine glassware • Glass jars	● ● ●	Can be used, unless decorated with a metal trim. Can be used to warm foods or liquids. Delicate glass may break or crack if heated suddenly. Must remove the lid. Suitable for warming only.
Metal • Dishes • Freezer bag twist ties	× ×	May cause arcing or fire.
Paper • Plates, cups, napkins and Kitchen paper • Recycled paper	● ×	For short cooking times and warming. Also to absorb excess moisture. May cause arcing.
Plastic • Containers • Cling film • Freezer bags	● ● ▲	Particularly if heat-resistant thermoplastic. Some other plastics may warp or discolour at high temperatures. Do not use Melamine plastic. Can be used to retain moisture. Should not touch the food. Take care when removing the film as hot steam will escape. Only if boilable or oven-proof. Should not be airtight. Prick with a fork, if necessary.
Wax or grease-proof paper	●	Can be used to retain moisture and prevent spattering.

● : Recommended use

▲ : Limited Use

× : Not Recommended

USE YOUR MICROWAVE OVEN SAFELY

General Use

Do not attempt to defeat or tamper with safety interlocks.

Do not place any object between the oven front frame and the door or allow residue to build up on sealing surfaces. Wipe with a mild detergent, rinse and dry. Never use abrasive powders or pads.

Do not subject the oven door to strain or weight such as a child hanging on an open door.

This could cause the oven to fall forward resulting in injury to you and damage to the oven.

Do not operate the oven if door seals or sealing surfaces are damaged; or if door is bent; or if hinges are loose or broken.

Do not operate the oven empty. This will damage the oven.

Do not attempt to dry clothes, newspapers or other materials in the oven. They may catch on fire.

Do not use recycled paper products as they may contain impurities which may cause sparks or fires.

Do not hit or strike the control panel with hard objects. This can damage the oven.

Food

Never use your microwave oven for home canning. The oven is not designed for proper home canning. Improperly canned food may spoil and be dangerous to consume.

Always use the minimum recipe cooking time. It is better to undercook rather than overcook foods.

Undercooked foods can be returned to the oven for more cooking. If food is overcooked, nothing can be done.

Heat small quantities of food or foods with low moisture carefully. These can quickly dry out, burn or catch on fire.

Do not heat eggs in the shell. Pressure may build up and eggs can explode.

Potatoes, apples, egg yolks and sausages are examples of food with non-porous skins.

These must be pierced before cooking to prevent bursting.

Do not attempt to deep fat fry in your microwave oven.

Always allow a standing time of at least 20 seconds after the oven has been switched off to allow the temperature to even out, stir during heating, if necessary, and ALWAYS stir after heating. To prevent eruptive boiling and possible scalding, you should put a spoon or glass stick into the beverages and stir before, during and after heating.

Do not leave the oven unattended while popping corn.

Do not pop corn in a paper bag unless it is the commercially prepared Microwave Popcorn product. The kernels can overheat and ignite a brown paper bag.

Do not put packaged Microwave Popcorn bags directly on the oven tray. Place the package on a microwave safe glass or ceramic plate to avoid overheating and cracking the oven tray.

Do not exceed the Microwave Popcorn manufacturers suggested popping time.

Longer popping does not yield more popcorn but it can result in scorch, burn or fire. Remember, the Popcorn bag and tray can be too hot to handle. Remove with caution and use pot holders.

ARCING

If you see arcing, open the door and correct the problem.

Arcing is the microwave term for sparks in the oven.

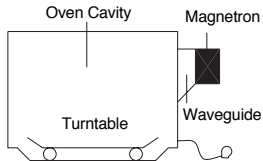
Arcing is caused by:

- Metal or foil touching the side of the oven.
- Metal, such as twist-ties, poultry pins, or gold rimmed dishes, in the microwave.
- Recycled paper towels containing small metal pieces being used in the microwave.
- Foil not molded to food (upturned edges act like antennas).

MICROWAVING PRINCIPLES

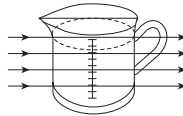
Microwave energy has been used in this country to cook and reheat food since early experiments with RADAR in World War II. Microwaves are present in the atmosphere all the time, both naturally and manmade sources. Manmade sources include radar, radio, television, telecommunication links and car phones.

HOW MICROWAVES COOK FOOD



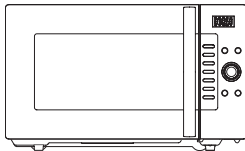
In a microwave oven, electricity is converted into microwave by the **MAGNETRON**.

► TRANSMISSION



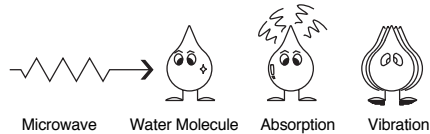
Then they pass through the cooking containers to be absorbed by the water molecules in the food, all foods contain water to a more or lesser extent.

► REFLECTION



The microwaves bounce off the metal walls and the metal door screen.

► ABSORPTION



The microwaves cause the water molecules to vibrate which causes **FRICTION**, i.e. **HEAT**. This heat then cooks the food. Microwaves are also attracted to fat and sugar particles, and foods high in these will cook more quickly. Microwaves can only penetrate to a depth of 1½ - 2 inches(4-5cm) and as heat spreads through the food by conduction, just as in a traditional oven, the food cooks from the outside inwards.

CONVERSION CHARTS

WEIGHT MEASURES	
15 g	1/2 oz.
25 g	1 oz.
50 g	2 oz.
100 g	4 oz.
175 g	6 oz.
225 g	8 oz.
450 g	1 lb.

VOLUME MEASURES	
30 ml	1 fl.oz.
100 ml	3 fl.oz.
150 ml	5 fl.oz. (1/4 pt)
300 ml	10 fl.oz. (1/2 pt)
600 ml	20 fl.oz. (1pt)

SPOON MEASURES	
1.25 ml	1/4 tsp
2.5 ml	1/2 tsp
5 ml	1 tsp
15 ml	1 tbsp

FLUID MEASUREMENTS		
1 Cup	= 8 fl.oz.	= 240 ml
1 Pint	= 16 fl.oz. (UK 20 fl.oz.)	= 480 ml (UK 560 ml)
1 Quart	= 32 fl.oz. (UK 40 fl.oz.)	= 960 ml (UK 1120 ml)
1 Gallon	= 128 fl.oz. (UK 160 fl.oz.)	= 3840 ml (UK 4500 ml)

COOKING TECHNIQUES

STANDING TIME

Dense foods e.g. meat, jacket potatoes and cakes, require standing time(inside or outside of the oven) after cooking, to allow heat to finish conducting to cook the center completely. Wrap meat joints and jacket potatoes in aluminium foil while standing. Meat joints need approx. 10-15 minutes, jacket potatoes 5 minutes. Other foods such as plated meal, vegetables, fish etc require 2-5 minutes standing. After defrosting food, standing time should also be allowed. If food is not cooked after standing time, return to the oven and cook for additional time.

MOISTURE CONTENT

Many fresh foods e.g. vegetables and fruit, vary in their moisture content throughout the season, particularly jacket potatoes. For this reason cooking times may have to be adjusted. Dry ingredients e.g. rice, pasta, can dry out during storage so cooking times may differ.

DENSITY

Porous airy foods heat more quickly than dense heavy foods.

CLING FILM

Cling film helps keep the food moist and the trapped steam assists in speeding up cooking times. Pierce before cooking to allow excess steam to escape. Always take care when removing cling film from a dish as the build-up of steam will be very hot.

SHAPE

Even shapes cook evenly. Food cooks better by microwave when in a round container rather than square.

SPACING

Foods cook more quickly and evenly if spaced apart. NEVER pile foods on top of each other.

STARTING TEMPERATURE

The colder the food, the longer it takes to heat up. Food from a fridge takes longer to reheat than food at room temperature.

LIQUIDS

All liquids must be stirred before and during heating. Water especially must be stirred before and during heating, to avoid eruption. Do not heat liquids that have previously been boiled. DO NOT OVERHEAT.

TURNING & STIRRING

Some foods require stirring during cooking. Meat and poultry should be turned after half the cooking time.

ARRANGING

Individual foods e.g. chicken portions or chops, should be placed on a dish so that the thicker parts are towards the outside.

QUANTITY

Small quantities cook faster than large quantities, also small meals will reheat more quickly than large portions.

PIERCING

The skin or membrane on some foods will cause steam to build up during cooking. These foods must be pierced or a strip of skin should be peeled off before cooking to allow the steam to escape. Eggs, potatoes, apples, sausages etc, will all need to be pierced before cooking. DO NOT ATTEMPT TO BOIL EGGS IN THEIR SHELLS.

COVERING

Cover foods with microwave cling film or a lid. Cover fish, vegetables, casseroles, soups. Do not cover cakes, sauces, jacket potatoes or pastry items.

DEFROSTING GUIDE

- ▶ Do not defrost covered meat. Covering might allow cooking to take place. Always remove outer wrap and tray. Use only containers that are microwave-safe.
- ▶ Begin defrosting whole poultry breast-side-down. Begin defrosting roasts fat-side-down.
- ▶ The shape of the package alters the defrosting time. Shallow rectangular shapes defrost more quickly than a deep block.
- ▶ After $\frac{1}{3}$ of the defrost time has elapsed, check the food. You may wish to turn over, break apart, rearrange or remove thawed portions of the food.
- ▶ During defrost, the oven will prompt you to turn the food over. At this point, open oven door and check the food. Follow the techniques listed below for optimum defrost results. Then, close oven door, touch the START pad to complete defrosting.
- ▶ When defrosted, food should be cool, but softened in all areas. If still slightly icy, return to microwave oven very briefly, or let stand a few minutes. After defrosting, allow food to stand 5-60 minutes if there are any icy areas. Poultry and fish may be placed under running cool water until defrosted
- ⇨ **Turn over** : Roast, ribs, whole poultry, turkey breasts, hot dogs, sausages, steaks, or chops.
- ⇨ **Rearrange** : Break apart or separate steaks, chops, hamburger patties, ground meat, chicken or seafood pieces, chunks of meat such as stew beef.
- ⇨ **Shield** : Use small strips of aluminum foil to protect thin areas or edges of unevenly shaped foods such as chicken wings. To prevent arcing, do not allow foil to come within 1-inch of oven walls or door.
- ⇨ **Remove** : To prevent cooking, thawed portions should be removed from the oven at this point. This may shorten defrost time for food weighing less than 3 lbs.(1350g).

Cooking chart

Item	Power Level	Cooking Time Per lb./450g	Special Instruction
MEAT			<ul style="list-style-type: none">- Chilled meat and poultry should be removed from the refrigerator at least 30 minutes before cooking.- Always let the meat and poultry stand, covered after cooking.
Beef joint -Rare	P-80	6-8 min.	
-Medium	P-80	7-9 min.	
-well done	P-80	9-11 min.	
Pork Joint	P-HI	10-13 min.	
Bacon joint	P-HI	8-10 min.	
POULTRY			
Whole chicken	P-HI	4-9 min.	
Portions chicken	P-80	5-7 min.	
Breast (boned)	P-80	6-8 min.	
FISH			<ul style="list-style-type: none">- Brush a little oil or melted butter over the fish, or add 15~30ml(1-2 tbsp) lemon juice, wine, stock, milk or water.- Always let the fish stand, covered, after cooking
Fish Fillets	P-HI	3-5 min.	
Whole Mackerel, Cleaned and prepared	P-HI	3-5 min.	
Whole Trout, Cleaned & Prepared	P-HI	4-6 min.	
Salmon steaks	P-HI	4-6 min.	
NOTE : The above times should be regarded only as a guide. Allow for difference in individual tastes and preferences. The times may vary due to the shape, cut, and composition of the food. Frozen meat, poultry and fish must be thoroughly thawed before cooking.			

COOKING & REHEATING CHART

Reheating chart

- Baby food particularly needs to be checked carefully before serving to prevent burns.
- When heating pre-packaged ready-cooked foods, always follow the pack instructions carefully.
- If you freeze foods which were bought from the fresh or chilled counters, remember that they should be thoroughly thawed before following the heating instructions on the packet. It's worth putting a note on them so that other members of the household will remember too.
- Remember to remove metal ties and transfer all food from foil containers before reheating.
- Chilled(refrigerated) food takes longer to reheat than food at room temperature (such as just-cooled food or food from the store cupboard).
- All foods should be reheated using full microwave power.

Item	Cooking time	Special Instructions
Baby food 128g jar	20 sec.	Empty into a small serving bowl. Stir well once or twice during heating. Before serving, check the temperature carefully.
Baby milk 100ml / 4fl.oz. 225ml / 8fl.oz.	20-30 sec. 40-50 sec.	Stir or shake well and pour into a sterilized bottle. Before serving, shake well and check the temperature carefully.
Sandwich roll or bun 1 roll	20-30 sec.	Wrap in paper towel and place on glass microwaveable rack. *Note : Do not use recycled paper towels as it may contain metal particles.
Lasagna 1 serving (10 1/2 oz./300g)	4-6 min.	Place lasagna on microwaveable plate. Cover with plastic wrap and vent.
Casserole 1 cup 4 cups	1 1/2-3 min. 5-7 min.	Cook covered, in a microwaveable dish. (casserole) Stir once halfway through cooking.
Mashed potatoes 1 cup 4 cups	2-3 min. 6-8 min.	Cook covered, in a microwaveable dish. (casserole) Stir once halfway through cooking.
Baked beans 1 cup	2-3 min.	Cook covered, in a microwaveable dish. (casserole) Stir once halfway through cooking.
Ravioli or pasta in sauce 1 cup 4 cups	2-3 min. 6-9 min.	Cook covered, in a microwaveable dish. (casserole) Stir once halfway through cooking.

VEGETABLE CHART

Use a suitable glass pyrex bowl with lid. Add 30-45ml cold water(2-3 tbsp.) for every 250g unless another water quantity is recommended - see table. Cook covered for the minimum time - see table.

Continue cooking to get the result you prefer. Stir once during and once after cooking. Add salt, herbs or butter after cooking. Cover during a standing time of 3 minutes.

Hint : cut the fresh vegetables into even sized pieces. The smaller they are cut, the quicker they will cook.

All vegetables should be cooked using full microwave power.

Cooking Guide for fresh vegetables

Vegetables	Weight	Time	Comments
Broccoli	1/2 lb./250g 1 lb./500g	2-3 min 4-6 min	Prepare even sized florets. Arrange the stems to the centre.
Brussels sprouts	1/2 lb./250g	3-4 min	Add 60-75ml(5-6tbsp.) water.
Carrots	1/2 lb./250g	2-3 min	Cut carrots into even sized slices.
Cauliflower	1/2 lb./250g 1 lb./500g	2-3 min 4-6 min	Prepare even sized florets. Cut big florets into halves. Arrange stems to the centre.
Courgettes	1/2 lb./250g	2-3 min	Cut courgettes into slices. Add 30ml(2tbsp.) water or a knob of butter. Cook until just tender.
Aubergine (Eggplant)	1/2 lb./250g	2-3 min	Cut aubergine into small slices and sprinkle with 1 tablespoon lemon juice.
Leeks	1/2 lb./250g	2-3 min	Cut leeks into thick slices.
Mushrooms	0.3 lb./125g 1/2 lb./250g	1-2 min 2-4 min	Prepare small whole or sliced mushrooms. Do not add any water. Sprinkle with lemon juice. Spice with salt and pepper. Drain before serving.
Onions	1/2 lb./250g	2-3 min	Cut onions into slices or halves. Add only 15ml(1tbsp.) water.
Pepper	1/2 lb./250g	2-4 min	Cut pepper into small slices.
Potatoes	1/2 lb./250g 1 lb./500g	4-6 min 7-9 min	Weigh the peeled potatoes and cut them into similar sized halves or quarters.
Turnip cabbage	1/2 lb./250g	4-6 min	Cut turnip cabbage into small cubes.

Cooking Guide for frozen vegetables

Vegetables	Weight	Time	Instructions
spinach	0.3 lb./125g	1-2 min	Add 15ml(1tbsp.) cold water.
broccoli	1/2 lb./250g	2-3 min	Add 30ml(2 tbsp.) cold water.
Peas	1/2 lb./250g	2-3 min	Add 15ml(1 tbsp.) cold water.
Green beans	1/2 lb./250g	2-4 min	Add 30ml(2tbsp.) cold water.
Mixed vegetables (carrots/peas/corn)	1/2 lb./250g	2-3 min	Add 15ml(1tbsp.) cold water.
Mixed vegetables (Chinese style)	1/2 lb./250g	2-4 min	Add 15ml(1 tbsp.) cold water.

RECIPES

TOMATO & ORANGE SOUP

1 oz.(25g) butter
1 medium onion, chopped
1 large carrot & 1 large potato, chopped
1³/₄lb(800g) canned, chopped tomatoes
juice and grated rind of 1 small orange
1¹/₂pints(900ml) hot vegetable stock
salt and pepper to taste

1. Melt the in a large bowl on P-HI for 1 minute.
2. Add the onion, carrot and potato and cook on P-HI for 3 minutes. stir halfway through cooking.
3. Add the tomatoes, orange juice, orange rind and stock. Mix thoroughly. Season with salt and pepper to taste. Cover the bowl and cook on P-HI for 13 minutes. stir 2-3 times during cooking, until the vegetables are tender.
4. Blend and serve immediately.

FRENCH ONION SOUP

1 large onions, sliced
1 tbsp (15ml) corn oil
2 oz.(50g) plain flour
2 pints(1.2 liters) hot meat
or vegetable stock
salt and pepper to taste
2 tbsp (30ml) parsley, chopped
4 thick slices French bread
2 oz.(50g) cheese, grated

1. Place the onion and oil a bowl, mix well and cook on P-HI for 1 minutes.
2. Stir in the flour to make a paste and gradually add stock. Season and add the parsley.
3. Cover the bowl and cook on P-70 for 14 minutes.
4. Pour the soup into serving bowls, submerge bread and sprinkle generously with cheese.
5. Cook on P-70 for 2 minutes, until the cheese has melted.

STIR FRIED VEGETABLES

1 tbsp(15ml) sunflower oil
2 tbsp (30ml) soy sauce
1 tbsp (15ml) sherry
1"(2.5cm) root ginger,
peeled and finely grated
2 medium carrots, cut into fine strips
4 oz.(100g) button mushrooms,
chopped
2 oz.(50g) beansprouts
4 oz.(100g) mange-tout
1 red pepper, seeded and thinly sliced
4 spring onions, chopped
4 oz.(100g) canned water chestnuts,
sliced
1/4 head of chinese leaves, thinly sliced

1. Place the oil, soy sauce, sherry, ginger, garlic and carrots in a large bowl, mix thoroughly
2. Cover and cook on P-HI for 2-4 minutes, stirring once.
3. Add the button mushrooms, beansprouts, mange-tout, red pepper, spring onions, water chestnuts and chinese leaves. Mix thoroughly.
4. Cook on P-HI for 5-6 minutes, until the vegetables are tender. Stir 2-3 times during cooking.

Stir fried vegetables are ideally served with meat or fish.

HONEYED CHICKEN

4 boneless chicken breasts
2 tbsp(30ml) clear honey
1 tbsp(15ml) whole grain mustard
1/2 tsp(2.5ml) dried tarragon
1 tbsp(15ml) tomato puree
1/4 pint(150ml) chicken stock

1. Place the chicken breasts in a casserole dish.
2. Mix all remaining ingredients together and pour over the chicken. Salt and pepper to taste.
3. Cook on P-HI for 12-13 minutes. Rearrange and coat the chicken with the sauce twice during cooking.

BLUE CHEESE & CHIVE JACKETS

2 baking potatoes,
(approx.9 oz.(250g) each)
2 oz.(50g) butter
4 oz.(100g) blue cheese, chopped
1 tbsp(15ml) fresh chives, chopped
2 oz.(50g) mushrooms, sliced
salt and pepper to taste

1. Prick each potato in several places. Cook on P-HI for 7-9 minutes. Halve and scoop the flesh into a bowl, add the butter, cheese, chives, mushrooms, salt and pepper, mix thoroughly.
2. Pile mixture into the potato skins and place in a flan dish.
3. Cook on P-50 for 10 minutes.

WHITE SAUCE

1 oz.(25g) butter
1 oz.(25g) plain flour
1/2 pint(300ml) milk
salt and pepper to taste

1. Place the butter in a bowl and cook on P-HI for 1 minute, until melted.
2. Stir in the flour and whisk in the milk. Cook on P-HI for 3-4 minutes, stirring every 2 minutes until thick and smooth. Season with salt and pepper to taste.

STRAWBERRY JAM

1 1/2 lb.(675g) strawberries, hulled
3 tbsp(45ml) lemon juice
1 1/2 lb.(675g) caster sugar

1. Place strawberries and lemon juice in a very large bowl, heat on P-HI for 4 minutes, or until the fruit has softened. Add sugar, mix well.
2. Cook on P-70 for 20-25 minutes, until setting point* is reached, stir every 4-5 minutes.
3. Pour into hot, clean jars. Cover, seal and label.

** setting point : To determine setting point, place 1 tsp(5ml) jam onto chilled saucer. Allow to stand for 1 minute. Move surface of jam gently with your finger, if the surface wrinkles setting point has been reached.*

PLAIN MICROWAVE CAKE

4 oz.(100g) margarine
4 oz.(100g) sugar
1 eggs
4 oz.(100g) self raising flour, sifted
2-3 tbsp(30-45ml) milk

1. line the base of 8" (20.4cm) cake dish with grease-proof paper.
2. Cream the margarine and sugar together until light and fluffy. Beat in the eggs and fold in the sifted flour alternately with the milk.
3. Pour into prepared container. Cook on P-HI for 4-5 minutes, until a skewer comes out cleanly.
4. Leave the cake to stand for 5 minutes before turning out.

OMELETTES

1/2 oz.(15g) butter
4 eggs
6 tbsp(90ml) milk
salt & pepper

1. Whisk together eggs and milk.
2. Place butter in 10"(26cm) flan dish. Cook on P-HI for 1 minute, until melted. Coat the dish with the melted butter.
3. Pour omelette mixture into flan dish. Cook on P-HI for 2 minutes. whisk mixture and cook again on P-HI for 1 minutes.

SCRAMBLED EGG

1/2 oz.(15g) butter
2 eggs
2 tbsp(30ml) milk
salt & pepper

1. Melt the butter in a bowl on P-HI for 1 minute.
2. Add the eggs, milk and seasoning and mix well.
3. Cook on P-HI for 3 minutes, stirring every 30 seconds.

SAVORY MINCE

1 small onion, diced
1 clove garlic, crushed
1 tsp(5ml) oil
7 oz.(200g) can chopped tomatoes
1 tbsp(15ml) tomato puree
1 tsp(5ml) mixed herbs
8 oz.(225g) minced beef
salt and pepper

1. Place onion, garlic and oil in casserole, and cook on P-HI for 2 minutes or until soft.
2. Place all other ingredients in casserole. Stir well.
3. Cover and cook on P-HI for 5 minutes then P-50 for 8-13 minutes or until the meat is cooked.

Limited Warranty

DAEWOO

DAEWOO ELECTRONICS AMERICA, INC. warrants the following microwave ovens to be free from defective material and workmanship and agrees to remedy any such defect or to furnish a new part (at the Company's option) in exchange for any part of any unit of its manufacture which under normal installation, use and service disclosed such defect, provided the unit is delivered by the owner to use or to our authorized distributor from whom purchased or authorized service station, intact, for our examination with all transportation charges prepaid to our factory. To establish and receive warranty service at our factory or authorized service facilities, a sales receipt or bill of sales is required for proof of purchase.

Written authorization must be obtained before any merchandise is returned to the factory.

This warranty does not extend to any of our electronic products which have been subjected to misuse, neglect, accident, incorrect wiring not our own, improper installation, unauthorized modification, or to use in violation of instructions furnished by us, nor units which have been repaired or altered outside of our factory, nor to cases where the serial number there of has been removed, defaced or changed.

This warranty is in lieu of all warranties expressed or implied and no representative or person is authorized to assume for us any other liability in connection with the sales of our electronic products.

Over the counter exchange for units that are initially defective. Initial defective is described as when the dealer opens the unit and finds that it is inoperative or an individual customer opening a new unit and finding that it is initially defective. This unit may be returned to the factory by the dealer for exchange. Under no circumstances will an individual customer be permitted to return defective unit directly to factory. Exchange must be directly with dealer. When this unit is returned to dealer, a copy of the purchase evidence stating the date or purchase is to be pur in the individual box for dealer's further control with the factory.

<u>MODEL</u>	<u>PARTS</u>	<u>LABOR</u>	<u>MAGNETRON</u>
Microwave Oven Model: KOC-9Q4DS	1 year	1 year	5 year

Note: The warranty service center list is constantly changing with the addition of our current qualified service centers. If there is inadequate or no local service facility, subject individual customer will call DAEWOO on the toll free number **1-877-DWE-SVC3(1-877-393-7823)** to be provided with further informations.